

# **SHEET METAL WORKER**

## **Milwaukee Public Schools**

**THE PURPOSE** of this position is to install, maintain and repair HVAC equipment and fabricate and repair a variety of metal forms and products for applications on School Board property, both inside and outdoors.

### **ESSENTIAL FUNCTIONS:**

- ❖ Install, maintain and repair HVAC equipment; this includes, but is not limited to risers, stacks, ducts, fittings, retrofittings, dampers, casings, outlets, exhausts, ventilators, frames, grilles, registers, cabinets, fans and motors, air washers, filters, housings and air conditioning chambers. Set and hang a variety of air conditioning units and other air handling equipment.
- ❖ Test, adjust and balance building systems; involves analyzing contract drawings and specifications, as-built drawings, operating logs; surveying building site and envelope; investigating space utilization and operating practices; observing, testing, and correcting operating deficiencies found in HVAC systems; taking corrective measures to improve indoor air quality and conserve energy.
- ❖ Make and repair cornices, skylights, gutters, downspouts, valley flashings, pipes and other articles made of tin, sheet metal, copper or other metals;
- ❖ Prepare and read job-related drawings and blueprints;
- ❖ Perform welding and roofing duties;
- ❖ Lay out work and cut from patterns and forms;
- ❖ Perform other related functions as assigned.

**NOTE: Persons hired as Sheet Metal Workers are expected to be able to perform the functions typically associated with this trade at the journey level.**

### **KNOWLEDGE AND SKILL REQUIREMENTS:**

- ◆ Knowledge of safety procedures
- ◆ Knowledge of different methods for laying out patterns and forms, e.g., triangulation, parallel lines, geometrical, radial, etc.
- ◆ Skill in laying out patterns and forms for self and others to use in installation, maintenance, repair and construction
- ◆ Skill in making arithmetic calculations accurately and quickly and ability to estimate and document material and labor costs associated with work orders and projects
- ◆ Skill in using sheet metal work hand tools, such as swages, hammers, mallets, snips, cutters, drills, wrenches, and measuring tools such as gauges, scales, calipers, etc.
- ◆ Knowledge of metal materials, such as mesh, bar, tube, rod and sheet stock
- ◆ Ability to use sheet metal work stationary shop equipment, such as brakes, shears, pipe forming machines, crimpers, bar folders, lockformers, grooving, burring and flanging machines and various stakes
- ◆ Skill in reading job-related blueprints and using sheet metal symbols and terminology
- ◆ Ability to interpret 2-dimensional and isometric drawings and shapes of sheet metal structures
- ◆ Skill using methods of fastening metals and other materials, such as welding, brazing, soldering, crimping, folding, taping, gluing, stapling, etc.
- ◆ Knowledge of applications to HVAC ductwork, skylights, gutters, downspouts, valley flashings, pipes, etc.
- ◆ Knowledge of fabrication, erection and installation of various metal fittings.

### **REQUIREMENTS:**

1. Successful candidates must furnish the basic tools of the trade.
2. A valid driver's license at time of appointment and throughout employment and a properly insured personal automobile for use on the job at time of appointment and throughout employment (car allowance provided).
3. Certification in the EPA Asbestos Abatement Training Program may be required within 6 months of appointment.
4. State of Wisconsin Welder Registration within 6 months of appointment.
5. Residency in the City of Milwaukee within 6 months of appointment and throughout employment.
6. Good physical condition as evidenced by successful completion of a City of Milwaukee medical examination, including back flexibility and cardiopulmonary assessment.
7. Willingness and ability to lift and carry objects up to 75 pounds under sometimes unpleasant conditions and to work at heights in excess of 80 feet.

**THE CURRENT HOURLY WAGE (MPS-FF54; Effect. 6-2-08) IS:** \$34.60 per hour (prevailing wage).